minula:

$$P_{k} = P_{k+1} + 9P_{k-1}$$
 (R)

 $P+9 = 1$ 
 $O \le k \le N$ 
 $P_{0} = 0$ 
 $P_{k} = 1$ 
 $O \le k \le N$ 
 $O \le k \le N$ 
 $O \le k \le N$ 
 $O \le k \le N$ 

$$GP_1S^0 + P_2S^1 + ... + P_NS^{N-1} + P_{M-1}S^{N-1}$$

$$\frac{1}{S}(P_1S^1 + ... + P_NS^N) = \frac{1}{G}(G(S) - P_0)$$

$$= S(P_0 + P_1 S + ... + P_{N-1} S^{N-1}) =$$

$$= S(S(S) - P_N S^N)$$

$$G(s) = \frac{2}{5}(G(s) - P_0) + Q_5(G(s) - P_N S^N)$$

$$G(S) = -\frac{2}{1 - 2} P_0 + 9S^{N+1} P_N$$

$$G(s) = \frac{9s}{2}$$

$$= 9s^{N+2} \left(\frac{A}{s-\alpha} + \frac{B}{s-b}\right)$$

$$= 3s^{N+2} \left(\frac{A}{s-\alpha} + \frac{B}{s-\alpha}\right)$$

$$\frac{q^{2} - s + p = 0}{s_{11} \times s} = \frac{1 \pm \sqrt{1 - 4pq}}{2q} = \frac{1 \pm (1 - 2p)}{2q} = \sqrt{\frac{1}{2}}$$

$$1 - 4pq = 1 - 4p(1 - p) = 1 - 4(p) + 4(p)^{2}$$

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